SYSTEMS INTEGRATED

Innovative and Enduring Systems Based on Published Standards

SIPAC3 CHASSIS DATA SHEET

FEATURES

- Secure mounting for SIPAC3 I/O modules, power supply, and processor
- Analog and discrete modules on the same chassis
- Mount on a panel or 35 mm DIN-rail
- Modules pivot into place, plug into a module connector, and lock onto the chassis with screw
- Processor and power supply interlock and are secured with a screw
- UL Hazardous Locations approved and ATEX compliant

SIPAC3-CHS4

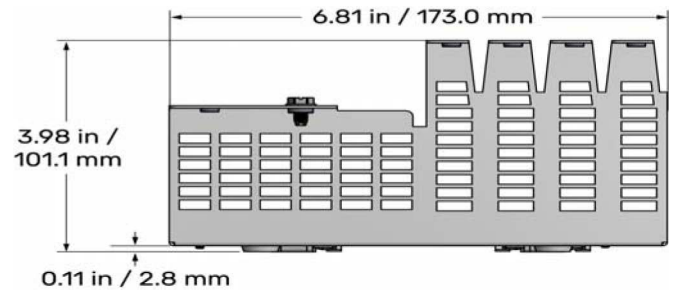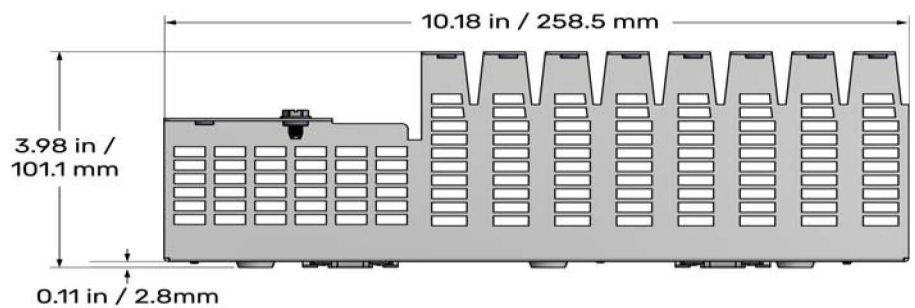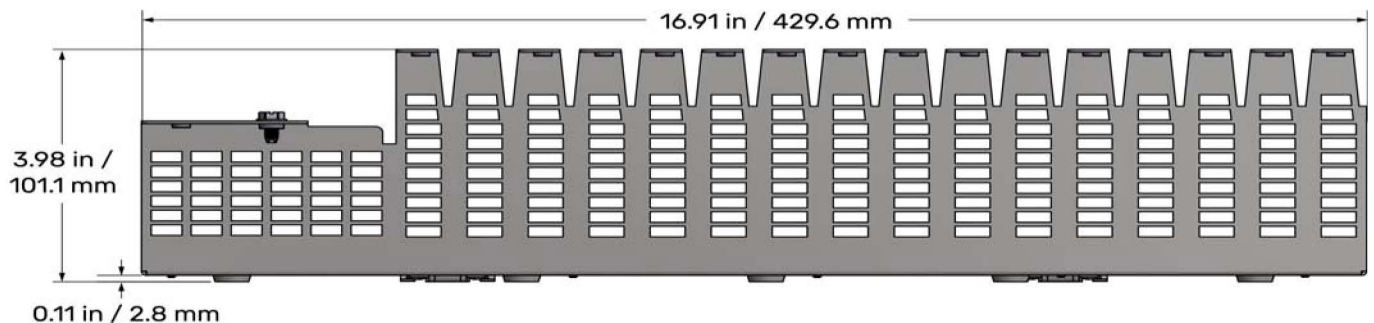## PART NUMBERS

Part	Description
SIPAC3-CHS4	4-module analog/discrete/serial mounting chassis
SIPAC3-CHS8	8-module analog/discrete/serial mounting chassis
SIPAC3-CHS16	16-module analog/discrete/serial mounting chassis

DESCRIPTION

SIPAC3 I/O mounting chassis are designed to hold an intelligent SIPAC3 processor, power supply, and I/O modules.

Since SIPAC3 analog and discrete I/O modules all have the same footprint, these modules can all be mixed on the same chassis. Field devices are wired directly to the top-mounted connectors on the modules. The module and chassis design allows modules to pivot into a specific mounting positions on the chassis.

SIPAC3 chassis are available in three configurations, accommodating up to 4, 8, or 16 modules.

All SIPAC3 power supplies, voltage converters, adapters, and processors, are UL/cUL listed and compliant with the ATEX, Low Voltage, and EMC CE directives. Each module is factory tested twice before shipment and most modules are guaranteed for life.

SPECIFICATIONS

Specification	SIPAC3-CHS16	SIPAC3-CHS8	SIPAC3-CHS4
Number of I/O module slots	16	8	4
Temperature (operating)	-20 °C to +70 °C	-20 °C to +70 °C	-20 °C to +70 °C
Temperature (storage)	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Relative Humidity (non-condensing)	5–95%	5–95%	5–95%
Agency Approvals	UL/cUL (Class 1 Div. 2); CE, ATEX; (Category 3, Zone 2), RoHS; DFARS; CB Scheme	UL/cUL (Class 1 Div. 2); CE, ATEX; (Category 3, Zone 2), RoHS; DFARS; CB Scheme	UL/cUL (Class 1 Div. 2); CE, ATEX; (Category 3, Zone 2), RoHS; DFARS; CB Scheme
Warranty	30 months	30 months	30 months

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DIMENSIONS: SIPAC3-CHS4, SIPAC3-CHS8, AND SIPAC3-CHS16

Part Number	Description	Width (inches)	Width (mm)	Length (inches)	Length (mm)	Depth (inches)	Depth (mm)
SIPAC3-CHS4	4-module chassis	5.36	136.2	6.81	173.0	3.98	101.1 mm
SIPAC3-CHS8	8-module chassis	5.36	136.2	10.18	258.5	3.98	101.1 mm
SIPAC3-CHS16	16-module chassis	5.36	136.2	16.91	429.6	3.98	101.1 mm

DEPTH AND LENGTH DIMENSIONS

SIPAC3-CHS4

SIPAC3-CHS8

SIPAC3-CHS16

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OVERALL DIMENSIONS WITH POWER SUPPLY, PROCESSOR, AND MODULES MOUNTED

The following diagrams show the dimensions of a 16-module chassis with a power supply, processor, and 16 modules mounted on it. The DIN rail shown is a standard 35 mm DIN rail (not sold by Systems Integrated).
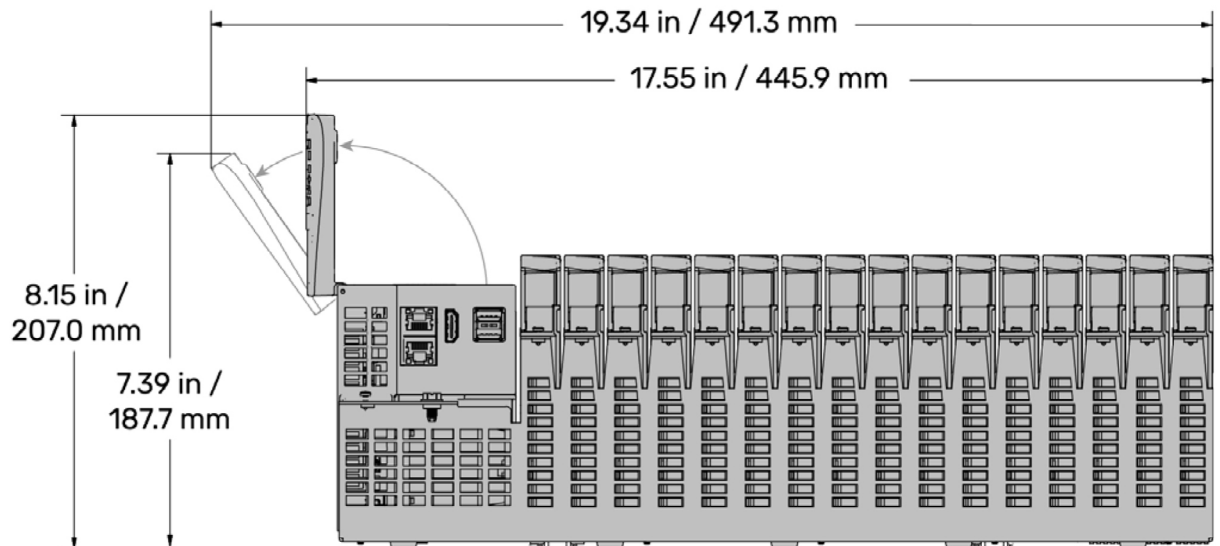
End View

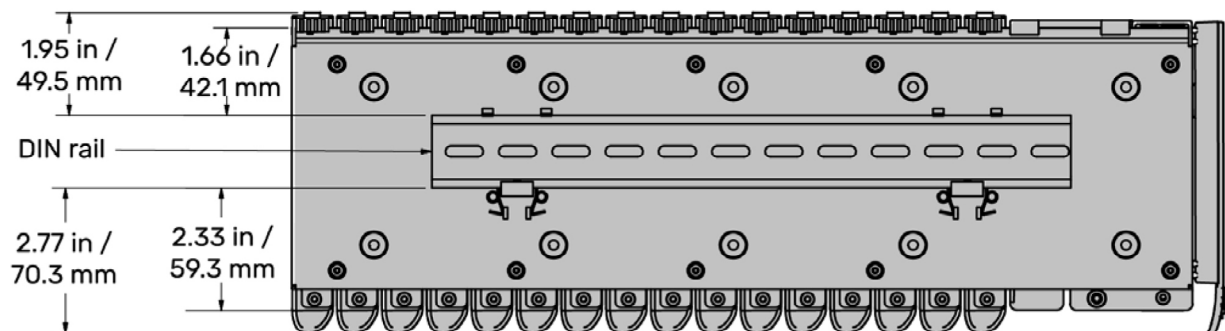The dimensions shown in the diagram on the right show the display open, perpendicular to the closed position.

8.33 in / 211.7 mm

8.15 in / 206.9 mm
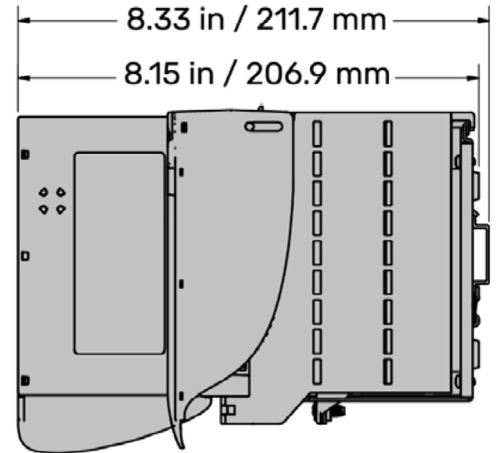
Bottom View

The dimensions shown in the diagram show the display open in two positions: upright and out to its fullest extension.

19.34 in / 491.3 mm

17.55 in / 445.9 mm

8.15 in / 207.0 mm

7.39 in / 187.7 mm

Back View

1.95 in / 49.5 mm

1.66 in / 42.1 mm

DIN rail

2.77 in / 70.3 mm

2.33 in / 59.3 mm

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ASSEMBLING AND MOUNTING ON A DIN RAIL

The chassis is built with DIN rail adapters for use on 35 mm DIN rail. No additional assembly is required.

Mount the chassis empty. Install the SIPAC3 products, like the power supply, the processor, and the modules, after you have mounted the chassis onto the DIN rail.

To mount the chassis on to a DIN rail, do the following tasks:

1. Hold the chassis so that the module connector numbers are facing right side up.

2. Hold the chassis at an angle such that the top of the DIN rail adapter is away from the DIN rail and the bottom of the DIN rail adapter can slide behind the bottom lip of the DIN rail.

3. Push the bottom part of the chassis upward, making sure that you feel the clip catch on to the rail, and simultaneously push the top half of the chassis toward the DIN rail until the top of the DIN rail adapter engages the top lip of the DIN rail.

   Before you release the chassis, verify that the top and bottom of the DIN rail adapters have engaged the DIN rail.

4. Mount the power supply, the processor, and the modules onto the chassis.
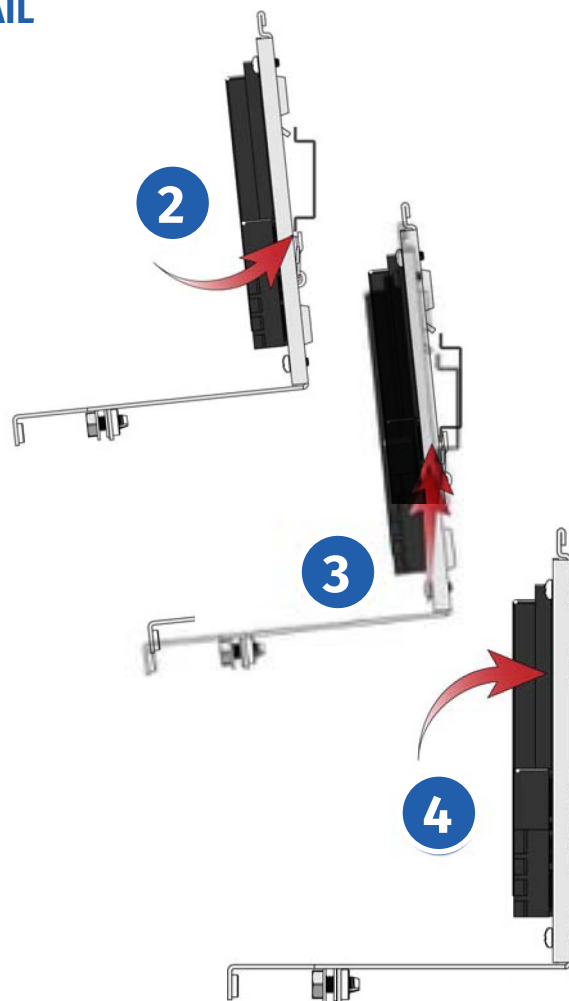
ASSEMBLING AND MOUNTING CHASSIS ON A PANEL

Using Chassis as Template

Use this method if you have the chassis on-hand to use as a template.

1. Review the mounting hole dimensions on the next page and the dimensional drawings in previous pages to determine required product and option clearances.

2. Systems Integrated ships the backplane attached to the chassis, so remove the backplane to gain access to the chassis mounting holes.

3. Use the chassis as a template to mark holes.

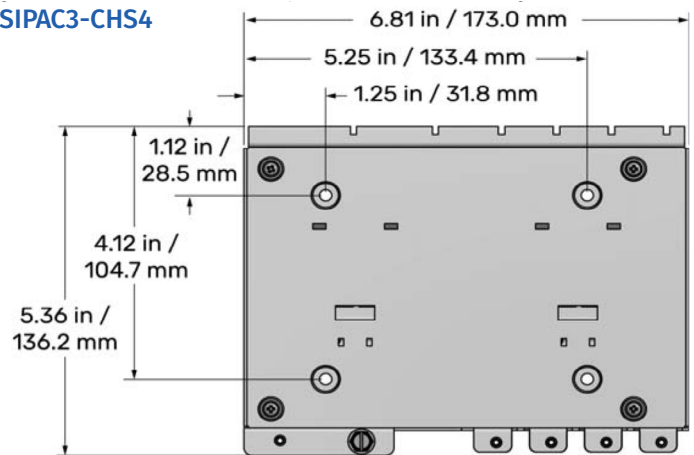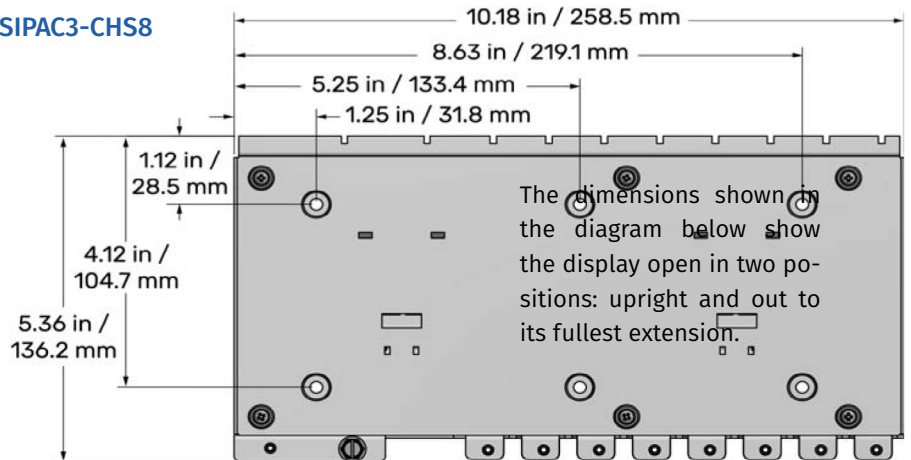4. After the chassis is securely mounted, attach the backplane with the retention screws provided.

Alternate Method: Prefabrication of Panels

If you do not have the chassis on-hand, review the diagrams on the next page to determine mounting hole positions.

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Mounting Hole Dimensions

The following diagrams show the length measurements from the edges of the chassis to the center positions of the mounting holes.

When you install the chassis, use pan head screws of up to 10-32 in size.

SIPAC3-CHS4

SIPAC3-CHS8

The dimensions shown in the diagram below show the display open in two positions: upright and out to its fullest extension.

SIPAC3-CHS16

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